

**FINAL ENVIRONMENTAL
IMPACT STATEMENT**



**SPRINGDALE NORTHERN
BYPASS**

HIGHWAY 412

Benton and Washington Counties

October 2005

Federal Highway Administration

**Arkansas State Highway
and Transportation Department**

Springdale Northern Bypass
AHTD Job Number 001966
F.A.P.NH-9399(5)

SPRINGDALE NORTHERN BYPASS
Highway 412

Final Environmental Impact Statement

Submitted Pursuant to: 42 U.S.C. 4332(2)(c)
49 U.S.C. 303
23 U.S.C. 138

by the
U.S. Department of Transportation - Federal Highway Administration
and the
Arkansas State Highway and Transportation Department

Cooperating Agencies
U.S. Army Corps of Engineers - Little Rock District
U.S. Fish and Wildlife Service

10-6-2005
Date of Approval

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This project is a proposal to construct a four-lane fully controlled access highway, designed to interstate standards, on new location bypassing existing Highway 412 north of Springdale, Arkansas. The proposed highway would be 20.6 miles (33.2 kilometers) in length through the Arkansas counties of Washington and Benton. Several alternatives were considered, including the No-Action alternative.

Comments on this EIS are due by
November 23, 2005
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LIST OF ABBREVIATIONS AND ACRONYMS

AAS	Arkansas Archeological Survey
AASHTO	American Association of State Highway and Transportation Officials
ADEQ	Arkansas Department of Environmental Quality
ADPCE	Arkansas Department of Pollution Control and Ecology
ADT	Average Daily Traffic
AGCA	Associated General Contractors of America
AHPP	Arkansas Historic Preservation Program
AHTD	Arkansas State Highway and Transportation Department
AMASDA	Automated Management of Archeological Site Data in Arkansas
ANHC	Arkansas Natural Heritage Commission
AASHTO	American Association of State Highway and Transportation Officials
B.A.	Bachelor of Arts
B.S.	Bachelor of Science
BMP	Best Management Practice
CFR	Code of Federal Regulations
cfs	cubic feet per second
CO	Carbon Monoxide
dB	decibels
dBA	A-weighted sound level in decibels
DEIS	Draft Environmental Impact Statement
DOT	Department of Transportation
EIS	Environmental Impact Statement
EO	Executive Order
EPA	U. S. Environmental Protection Agency
ESA	Environmental Site Assessment
FEIS	Final Environmental Impact Statement
FHWA	Federal Highway Administration
FIA	Federal Insurance Administration
ft	feet
GIS	Global Information System
GLO	General Land Office
HOV	High Occupancy Vehicle

HPC	High Priority Corridor
km	kilometers
I	Interstate
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
L_{eq}	equivalent steady state sound level
$L_{eq(h)}$	equivalent steady state sound level per hour
LOS	Level of Service
LPH	Location Public Hearing
m	meter
M.A.	Master of Arts
M.S.	Master of Science
M.U.R.P.	Master of Urban and Regional Planning
mi	mile
MIS	Major Investment Study
MPO	Metropolitan Planning Organization
msl	mean sea level
NAAQS	National Air Ambient Quality Standards
NAC	Noise Abatement Criteria
NAMS	National Air Monitoring System
NARPC	Northwest Arkansas Regional Planning Commission
NARTS	Northwest Arkansas Regional Transportation Study
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NHS	National Highway System
NO_x	Nitrous Oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
NWARA	Northwest Arkansas Regional Airport
O_3	Ozone
OSHA	Occupational Safety and Health Administration
PM_{10}	Particulate Matter
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
SDEIS	Supplemental Draft Environmental Impact Statement

SH	State Highway
SHPO	State Historic Preservation Officer
SLAMS	State and Local Air Monitoring System
SWPPP	Storm Water Pollution Prevention Plan
TEA-21	Transportation Efficiency for the 21st Century
U.S.G.S.	United States Geological Service
US	United States
USACE	United States Army Corps of Engineers
USDOJ	United States Department of the Interior
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
UST	Underground Storage Tank

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